

DHIHAN AHMED

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Education

Stevens Institute of Technology

09/2021 - 05/2025

B.S. in Computer Science

- **Honors:** Dean's List, The Edwin A. Scholarship
- **Relevant Coursework:** Data Structures, Discrete Structures, Algorithms, Computer Architecture, Operating Systems, Systems Programming, Linear Algebra, Theory of Computation, Web Programming, Agile Methodologies
- **Cumulative GPA:** 3.92/4.00

Experience

NYU AI School

01/2022

Cohort

- Attended NYU's Winter School on **artificial intelligence (AI)** and **machine learning**
- Programmed five unique labs utilizing **Google Colab**, covering topics such as linear regression, classification, computer vision, etc.

Projects

Roommate Roulette: Roommate Finder Application [[Github](#)]

10/2023 - 12/2023

- Collaborated with a team of four to design a full stack web application that allows groups to search for potential roommates and match with one another
- Allowed filtering based on group credentials and real-time in-app messaging between matched groups
- Utilized MongoDB to securely hash and store all user credentials and JQuery/Handlebars as the backend for fluid usability

CPUseless!: 8-bit CPU w/ Custom Assembler & Programming Language [[Github](#)]

12/2022

- Created an 8-bit CPU using Logisim, capable of addition, subtraction, and loading instructions
- Implemented a custom Python assembler for the CPU, which runs in Logisim

E-ZCal: Task Scheduling Automation Tool [[Github](#)]

08/2022

- Collaborated with a team of four to design a full stack web application that lets users create tasks based on the Pomodoro technique
- Generated breaks for users' tasks and automatically synced them to users' Google Calendars

Climaction: Climate Change App [[Devpost](#) / [Github](#)]

02/2022 - 03/2022

- Developed an innovative iOS app mockup designed to motivate users to make sustainable choices
- Pioneered a gamified approach, rewarding users with a unique virtual currency known as "ClimateCoins" for adopting eco-friendly behaviors which are donated to nonprofit charities
- Prototype crafted using design software Figma Design and executed on iOS utilizing the Bravo App
- Won **1st place** in the 2022 Hoboken Climate Hackathon

Skills

Languages: Python | JavaScript | C++ | C | HTML | CSS | Java

Software: Git | NodeJS | MongoDB | Figma | Linux | Bootstrap | Postman | Logisim